



AECOM
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Chicago, Illinois 60601

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April 18, 2012

Mr. Narendra Prasad
People's Gas Light & Coke Co.
Environmental Services Department
130 East Randolph, 22nd Floor
Chicago, IL 60601

US EPA RECORDS CENTER REGION 5



RE: Radiological Survey of Right-of-Way Utility Excavation
Permit No.: 256863082
Permit Address: 143-144 East Ontario Street
AECOM Project No. 60157647

Dear Mr. Prasad:

Pursuant to conditions specified in a permit (see attached) issued by the City of Chicago, radiation monitoring was required to be performed at the above referenced site. AECOM Technical Services, Inc. (AECOM) provided the required radiation surveillance between the days of April 16-17, 2012 for an excavation to install a gas service line for the property located at 641 N. Michigan Ave.

Surveying was performed for the soil removed from a 2-foot by 20-foot trench excavation within the sidewalk along Ontario Street (See Sketch) to a depth of 5-feet below ground surface and also an 8-foot by 7-foot excavation inside Ontario Street to a depth of 5-feet below ground surface, required for a gas service installation to the property located at 641 N. Michigan Ave. The monitoring revealed no indication of soils above the specified clean-up threshold established by the U. S. Environmental Protection Agency (USEPA) for the Streeterville area of Chicago. The USEPA threshold for Chicago's Streeterville area is 7.1 picocuries per gram (pCi/g total radium (Ra-226 + Ra-228)).

Gamma radiation count measurements for the project were made using Ludlum Model 2221 survey meter and an unshielded 2 x 2 NaI probe (Model 44-10). For the instrument used, the gamma count equivalent to the 7.1 pCi/g threshold was 19,969 counts per minute (cpm) unshielded (7,127 cpm shielded). The field gamma background for the area was measured at approximately 6,700 cpm unshielded. The field gamma measurements within the excavation and the spoil materials generated during the excavation process did not exceed the respective threshold values previously stated and ranged from a minimum of 5,100 cpm to a maximum of 9,300 cpm unshielded. Thus, there was no indication of the presence of radiologically-contaminated material and/or an exceedance of the USEPA cleanup threshold of 7.1 pCi/g total radium.


As part of the permit conditions this letter has been forwarded to:

Chicago Department of Public Health
Attention: Ms. Rahmat Begum
333 South State Street, Rm. 200
Chicago, Illinois 60604

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Please contact us with any questions you have regarding this letter or the reported results.

Regards,



Brian R. Schmidt
Project Scientist II



Steven C. Kornder, Ph.D.
Senior Project Geoscientist

cc: Rahmat Begum, Chicago Department of Environment
Verneta Simon, USEPA

Attachments: Permit
Sketch



DEPARTMENT OF PUBLIC HEALTH
CITY OF CHICAGO

FORM NO. CDPH.ROW.03

Notice is hereby given that the site you have requested a permit for is recorded with the City of Chicago Department of Public Health (CDPH) as potentially having environmental contamination on the site and adjacent right-of-way. This environmental contamination could present a threat to human health and safety in connection with work performed at the site, or in the adjacent right-of-way, if proper safeguards are not employed.

A file containing detailed information regarding the aforementioned environmental contamination is available for review at CDPH at 33 N. LaSalle St., Suite LL-120, Chicago, Illinois 60602 during normal business hours (8:30AM-4:30PM, Monday through Friday). Contact (312) 744-3152 for an appointment. This file must be reviewed and the remainder of this form completed before the permit can be issued if the ground is exposed or excavated. **Please note that for some locations, additional health and safety procedures may be required by law.**

Please complete the following:

I have reviewed and understand the documents, maintained by CDPH, regarding environmental contamination of the site and adjacent right-of-way. Further, I will ensure that all work at the subject site and adjacent right-of-way, and any monitoring required including but not limited to radiation monitoring, will be performed in a manner that is protective of human health and the environment and in compliance with all applicable local, state, and federal laws, rules, and regulations, especially those pertaining to worker safety and waste management. I will ensure that the results of any radiation monitoring and/or surveying conducted shall be provided to the CDPH and the United States Environmental Protection Agency **within two (2) weeks of their completion**. If any elevated levels of radioactive material are detected, I will immediately contact the United States Environmental Protection Agency at (800) 424-8802.

Applicant Name (print):

Maria C. Oliver

Signature:

Maria C. Oliver

Site Address and Work Location (Describe exact site location and attach map):

143 E. Ontario

Street

Nature of Work:

New Service Installation

Company Name, Address, Phone No.:

Peoples Gas, 130 E. Randolph (312) 240-4692

General / Prime Contractor Name, Address, Phone No.:

Bob Anderson, 130 E. Randolph (773) 542-7854

Include subcontractor information if applicable

Safety Officer / Phone No.:

Jack Wilken (773) 542-7838

Radiation Contractor / Phone No. (if applicable)

AECOM, Steve Kornder (847) 279-2500

Check if City Department Work ☐ Department Name: _____

CDOT Permit No.:

256863082

Today's Date:

3/12/2012

Expected Start Date: _____

CDPH Approval / Date

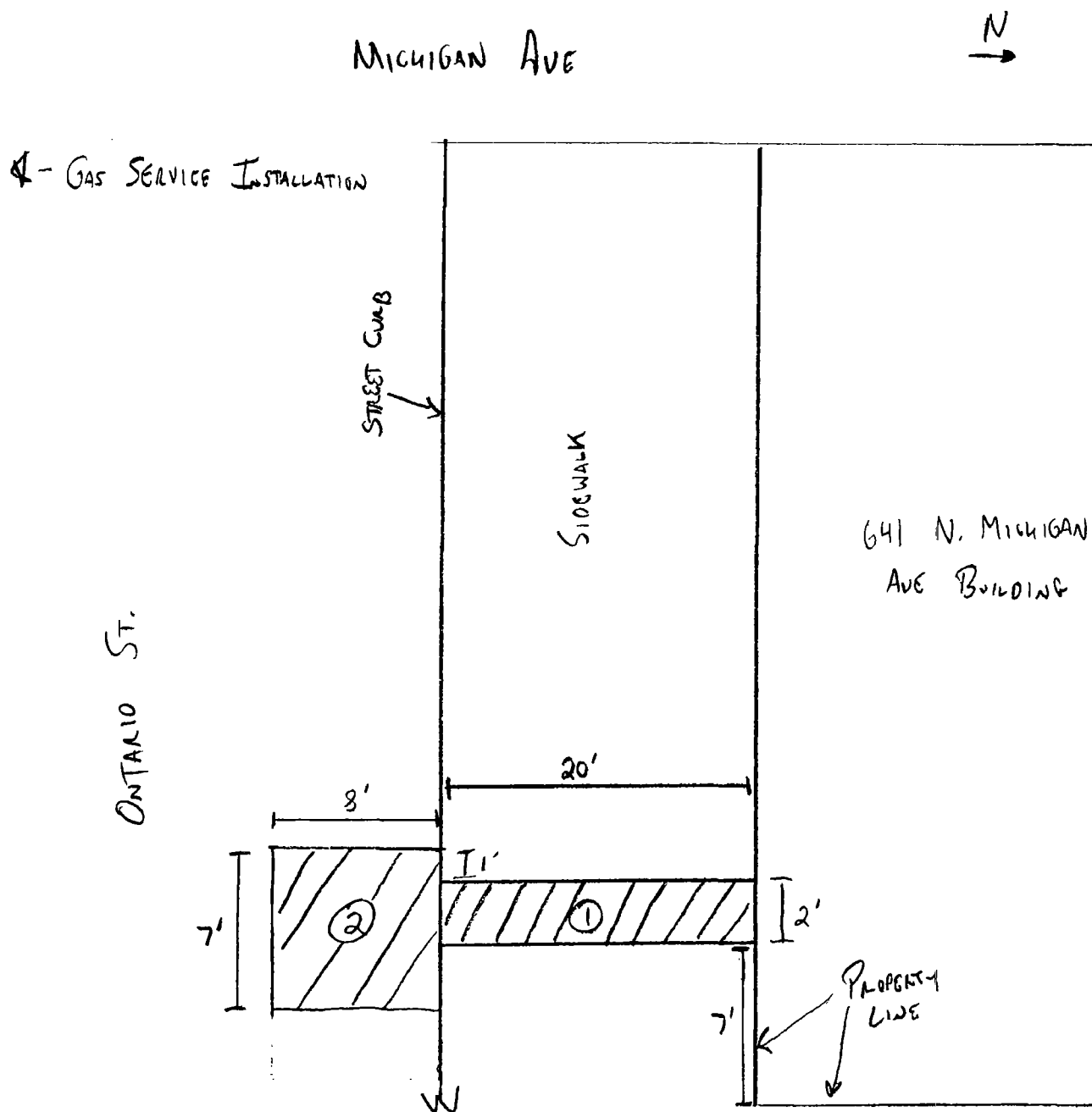
Katharine B. B...

Please return this completed form to the Chicago Department of Transportation, Division of Infrastructure Management, Public Way Permit Office, City Hall - Room 905, 121 N. LaSalle St., Chicago, Illinois 60602 during normal business hours (8:30 AM - 4:30 PM, Monday through Friday)

For CDPH Use Only

Calculation Sheet

| | | | | | | |
|--------------------------------|-------------------|-------------------|-------------------|---|--------------|------------------|
| Project 143-144 E. ONTARIO ST. | | | | Subject INTEGRALS - ROW Radiological Survey | | |
| Originated By BJS | Date 4/17/2012 | Checked By BJS | Date 4/18/2012 | Job No. 60157647 | Scale N/A | Sheet No. 1 of 1 |

SURVEY VALUES

EXCAVATION ① ~ 5' bgs

| DEPTH | COUNTS PER MINUTE |
|--------|-------------------|
| 0-6" | CONCRETE |
| 6-24" | 5,100 |
| 24-42" | 5,600 |
| 42-60" | 7,100 |
| 60-78" | 8,100 |

EXCAVATION ② ~ 5' bgs

| DEPTH | COUNTS PER MINUTE CONCRETE & ASPHALT |
|--------|---|
| 0-12" | |
| 12-30" | 6,800 |
| 30-48" | 6,900 |
| 48-66" | 8,100 |
| 60-78" | 9,300 |